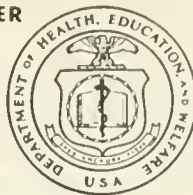


# Morbidity and Mortality



Vol. 17, No. 44

WEEKLY  
REPORTWeek Ending  
November 2, 1968

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION

## EPIDEMIOLOGIC NOTES AND REPORTS

## BUBONIC PLAGUE DEATH - Lemhi County, Idaho

A 32-year-old male, hunting guide was admitted to a hospital in Salmon, Idaho, on October 22, 1968, with a temperature of 106°F, hypotension, left axillary adenopathy, and generalized painful extremities. He had been ill for 3 days prior to admission. He was anuric on admission and subsequently developed severe gangrenous changes in hands, feet, glans penis, ear lobes, and the tip of his nose. The patient was treated with penicillin, chloramphenicol, ampicillin, and streptomycin. He expired on October 25.

A blood culture obtained on admission was positive for a gram negative rod which subsequently was confirmed

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on October 31 as *Pasteurella pestis* by colonial morphology and staining characteristics, fluorescent antibody testing, and phage typing.

The patient, 3 days prior to the onset of illness, had killed a showshoe rabbit, carried it on horseback, and sub-

(Continued on page 406)

TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	44th WEEK ENDED		MEDIAN 1963 - 1967	CUMULATIVE, FIRST 44 WEEKS		
	November 2, 1968	November 4, 1967		1968	1967	MEDIAN 1963 - 1967
Aseptic meningitis	111	105	48	3,822	2,605	1,806
Brucellosis	3	4	4	192	214	214
Diphtheria	8	4	10	191	125	169
Encephalitis, primary:						
Arthropod-borne & unspecified	28	41	---	1,216	1,408	---
Encephalitis, post-infectious	5	6	---	418	689	---
Hepatitis, serum	124	51	---	3,873	1,861	---
Hepatitis, infectious	1,028	748	686	38,320	32,529	32,412
Malaria	87	63	4	2,010	1,752	92
Measles (rubeola)	137	253	1,304	20,524	59,632	246,394
Meningococcal infections, total	29	30	41	2,220	1,868	2,357
Civilian	28	29	---	2,034	1,749	---
Military	1	1	---	186	119	---
Mumps	1,439	---	---	132,255	---	---
Poliomyelitis, total	---	3	3	53	32	83
Paralytic	---	3	2	53	28	78
Rubella (German measles)	294	268	---	45,745	41,540	---
Streptococcal sore throat & scarlet fever	7,743	7,876	6,540	353,757	376,291	333,180
Tetanus	1	4	4	146	190	228
Tularemia	1	---	4	158	150	222
Typhoid fever	12	8	8	337	358	362
Typhus, tick-borne (Rky. Mt. spotted fever)	3	1	2	268	293	234
Rabies in animals	51	71	71	2,920	3,676	3,676

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax	3	Rabies in man	1
Botulism: Calif.-1	7	Rubella, Congenital Syndrome	5
Leptospirosis: Idaho-1, Tex.-1	41	Trichinosis: Ohio-1, Pa.-1	54
Plague: Idaho-1	3	Typhus, murine	28
Psittacosis	41		

Data exclude reports N.H., Ariz., Wash. - State Holiday

## BUBONIC PLAGUE DEATH - (Continued from front page)

sequently skinned the animal. Other than the usual exposure to animals in the area, this was the only known direct exposure during the incubation period for *P. pestis*.

This year a large rodent population has been noted in the area. Moreover, observers in the vicinity of Camus Creek, Lemhi County, have recently noted a die-off of animals including tree squirrels and chipmunks. This die-off is currently under investigation. To date, epidemiologic investigation has revealed no other human cases.

Although plague has been recognized as enzootic in Idaho, the only previous case in Idaho occurred in 1940.

(Reported by John A. Mather, M.D., M.P.H., Director, Division of Preventive Medicine, Idaho Department of Health; the Zoonoses Section, Ecological Investigations Program, NCDC, Fort Collins, Colorado; and two EIS Officers.)

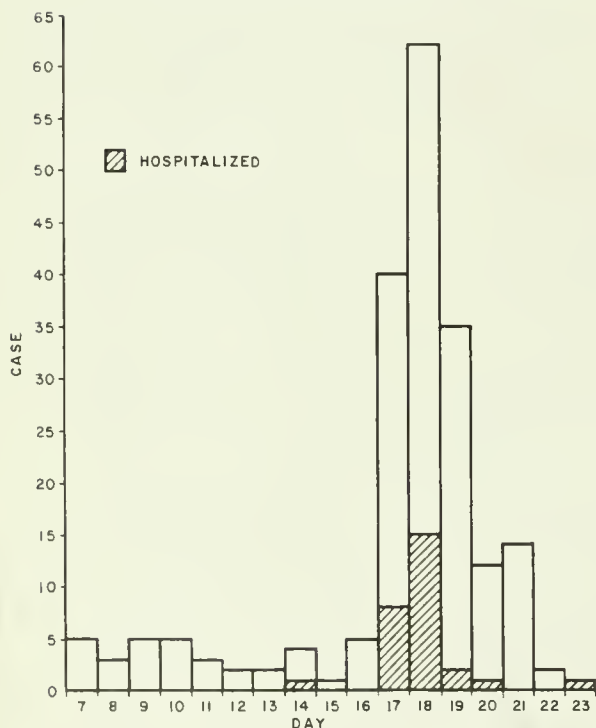
## FOODBORNE EPIDEMIC OF GROUP G, STREPTOCOCCAL PHARYNGITIS - Vermont

An epidemic of streptococcal pharyngitis occurred among students at a college in Vermont from October 16-22, 1968 (Figure 1). Of the 502 students enrolled in the school, 172 were seen in the college dispensary and 27 of these required hospitalization. Symptoms for the majority of the outpatients and 80 percent of the hospitalized patients included abrupt onset of sore throat, headache, chills, and fever (Table 1), and the prominent clinical findings during the acute phase of the illness were a red beefy pharynx, exudate, and tender anterior cervical lymphadenopathy. During the epidemic, pharyngeal cultures were taken on 126 ill patients; they yielded 75 Group G streptococci (59 percent), three Group B isolates, and no Group A streptococci. On October 20, a random culture survey of 87 well students showed a Group G prevalence of 23 percent. On October 21, 39 students who had been positive for Group G and who had

Table 1  
Clinical Data from Students with Positive Group G  
Streptococcal Cultures

Symptoms or Signs	20 Hospitalized Students		22 Outpatients	
	No. with Symptom	Percent	No. with Symptom	Percent
Sore Throat	20	100	21	96
Headache	18	90	15	68
Chills and Fever	18	90	16	73
Nausea and Vomiting	11	55	8	36
Diarrhea	5	25	2	9
Red Throat	19	95	21	96
Exudate	14	70	6	27
Cervical Lymphadenopathy	18	90	15	68

Figure 1  
CASES OF PHARYNGITIS, BY DATE OF VISIT  
TO OUTPATIENT CLINIC  
VERMONT, OCTOBER 7-23, 1968



been on oral penicillin for from 1-4 days were recultured. Only three Group G isolates were made.

The suddenness with which the majority of cases appeared suggested a common source of infection. Food history questionnaires distributed on October 19 demonstrated a significant association between the presence of illness and the consumption of the noon meal served in the college cafeteria on October 15. Furthermore, questionnaires incriminated egg salad served at that meal as the vehicle of infection (Table 2). An epidemiologic in-

Table 2  
Summary of Food History Data  
Obtained from Students  
October 19, 1968

Food or Beverage	Persons Who Ate Specified Food				Persons Who Did Not Eat Specified Food			
	Ill	Not Ill	Total	Attack Rate Percent	Ill	Not Ill	Total	Attack Rate Percent
Lunch - October 15	82	72	154	53	8	30	38	21
Egg Salad	73	51	124	59	9	21	30	30
Raisin Pudding	45	33	78	58	37	39	76	49
Soup	36	31	67	54	46	41	87	53
Milk	54	46	100	54	28	26	54	52

Investigation is continuing to identify the source of the inoculum.

(Reported by Linus J. Leaven, M.D., Director, Bureau of Communicable Disease Control, and Dymitry Pomar, D.V.M., Director, Bureau of Laboratories, and William Royster,

Public Health Advisor, Vermont Department of Health; Streptococcal Disease Section and Virus Disease Section, Ecological Investigations Program, NCDC, Fort Collins, Colorado; and an EIS Officer.)

### MEASLES - Washington, D.C.

Between January 1 and November 2, 1968, 31 suspect measles cases were reported to the District of Columbia Department of Public Health by school principals, teachers, and nurses and by physicians, clinics, and hospitals (Table 3). Of these 31 suspect cases, 27 were investigated by a physician of the health department and four were not investigated because the children could not be located for confirmation. One of these four cases was reported to NCDC as measles because it had been reported to the health department by a physician. Of the 27 investigated cases, 23 were found not to be measles. The diagnosis for the 23 cases included rubella (10 cases), allergy with rash (5 cases), urticaria (3 cases), impetigo (2 cases), chickenpox (2 cases), and influenza (1 case). Of the 27 investigated cases, four were confirmed as measles: Two were in unvaccinated children (in kindergarten and first grade) who had been exposed in Virginia. The source of infection in the other two confirmed cases could not be determined. These four confirmed cases were reported to NCDC as measles.

**Table 3**  
Investigation of Cases  
Washington, D.C.  
January 1 - November 2, 1968

Source of Report	No. of Case Reports	Cases Investigated	Cases Not Measles	Measles Cases
Schools	23	20	18	2
Physician or Hospital	8	7	5	2
Total	31	27	23	4

In addition to these five reported cases from the 31 suspect cases, a sixth case in which agreement as to correct diagnosis could not be obtained was reported as measles to NCDC.

(Reported by John R. Pate, M.D., M.P.H., Chief, Bureau of Communicable Disease Control, District of Columbia Department of Public Health; and an EIS Officer.)

### SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Areas September 1968 and September 1967 - Provisional data

Reporting Area	September		Cumulative Jan - Sept		Reporting Area	September		Cumulative Jan - Sept	
	1968	1967	1968	1967		1968	1967	1968	1967
NEW ENGLAND.....	34	27	256	257	EAST SOUTH CENTRAL.....	77	144	1,047	1,348
Maine.....	-	-	5	2	Kentucky.....	12	15	90	125
New Hampshire.....	-	-	-	7	Tennessee.....	27	36	252	221
Vermont.....	-	1	-	3	Alabama.....	24	66	444	708
Massachusetts.....	27	11	163	144	Mississippi.....	14	27	261	294
Rhode Island.....	-	3	23	26					
Connecticut.....	7	12	65	75	WEST SOUTH CENTRAL.....	271	254	2,605	2,331
MIDDLE ATLANTIC.....	330	322	2,517	2,709	Arkansas.....	14	13	101	89
Upstate New York.....	38	31	213	225	Louisiana.....	58	67	643	478
New York City.....	222	194	1,596	1,628	Oklahoma.....	4	6	59	88
Pa. (Excl. Phila.).....	14	23	175	175	Texas.....	195	168	1,802	1,676
Philadelphia.....	20	26	189	240					
New Jersey.....	36	48	344	441	MOUNTAIN.....	31	34	366	444
EAST NORTH CENTRAL.....	247	269	2,139	2,375	Montana.....	1	-	5	4
Ohio.....	48	56	347	469	Idaho.....	-	-	2	16
Indiana.....	28	15	259	117	Wyoming.....	-	-	1	12
Downstate Illinois.....	24	12	146	117	Colorado.....	2	3	15	52
Chicago.....	76	93	753	728	New Mexico.....	19	11	122	136
Michigan.....	65	92	611	925	Arizona.....	8	16	180	202
Wisconsin.....	6	1	23	19	Utah.....	-	1	8	7
					Nevada.....	1	3	33	15
WEST NORTH CENTRAL.....	31	32	286	248					
Minnesota.....	4	2	38	37	PACIFIC.....	171	133	1,336	1,371
Iowa.....	5	4	31	31	Washington.....	-	4	35	42
Missouri.....	12	15	146	78	Oregon.....	6	5	30	38
North Dakota.....	1	-	5	3	California.....	163	124	1,263	1,282
South Dakota.....	4	3	30	27	Alaska.....	1	-	2	2
Nebraska.....	-	2	16	31	Hawaii.....	1	-	6	7
Kansas.....	5	6	20	41	U. S. TOTAL.....	1,621	1,776	14,475	15,853
SOUTH ATLANTIC.....	429	561	3,923	4,770					
Delaware.....	4	4	27	50	TERRITORIES.....	71	74	849	684
Maryland.....	45	56	366	481	Puerto Rico.....	71	70	810	654
District of Columbia.....	56	100	462	576	Virgin Islands.....	-	4	39	30
Virginia.....	25	16	236	234					
West Virginia.....	-	2	28	16					
North Carolina.....	33	76	466	594					
South Carolina.....	46	61	395	627					
Georgia.....	88	82	672	748					
Florida.....	132	164	1,271	1,444					

Note: Cumulative Totals include revised and delayed reports through previous months.

## Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED  
NOVEMBER 2, 1968 AND NOVEMBER 4, 1967 (44th WEEK)

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			MALARIA
					Primary including unsp. cases	Post- Infectious	Serum	Infectious			
	1968	1967			1968	1968	1968	1967	1968	1968	
UNITED STATES...	111	105	3	8	28	41	5	124	1,028	748	87
NEW ENGLAND.....	3	2	-	-	2	4	1	4	44	25	-
Maine *.....	-	-	-	-	-	-	-	-	2	6	-
New Hampshire.....	---	-	---	---	---	-	---	---	1	---	---
Vermont.....	-	-	-	-	-	-	-	-	3	-	-
Massachusetts.....	3	2	-	-	-	-	1	-	22	9	-
Rhode Island.....	-	-	-	-	-	2	-	1	9	2	-
Connecticut.....	-	-	-	-	2	2	-	3	8	7	-
MIDDLE ATLANTIC.....	18	8	-	-	2	3	-	51	187	156	15
New York City.....	6	-	-	-	1	-	-	26	75	50	1
New York, up-State.....	2	2	-	-	1	1	-	8	31	52	-
New Jersey *.....	4	6	-	-	-	1	-	15	29	20	6
Pennsylvania.....	6	-	-	-	-	1	-	2	52	34	8
EAST NORTH CENTRAL...	12	15	1	-	12	5	2	2	166	119	4
Ohio.....	6	1	-	-	6	2	-	-	41	25	2
Indiana.....	-	3	-	-	-	2	2	-	18	9	-
Illinois.....	2	-	1	-	1	-	-	-	52	39	-
Michigan.....	4	10	-	-	5	-	-	2	45	37	2
Wisconsin.....	-	1	-	-	-	1	-	-	10	9	-
WEST NORTH CENTRAL...	6	-	-	-	-	6	1	2	65	42	5
Minnesota.....	6	-	-	-	-	3	1	2	22	10	2
Iowa.....	-	-	-	-	-	3	-	-	21	7	-
Missouri.....	-	-	-	-	-	-	-	-	9	19	2
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	1	-
Nebraska.....	-	-	-	-	-	-	-	-	1	2	-
Kansas.....	-	-	-	-	-	-	-	-	12	3	1
SOUTH ATLANTIC.....	10	41	-	3	1	2	-	6	127	108	26
Delaware.....	2	1	-	-	-	-	-	-	1	8	-
Maryland.....	4	6	-	-	-	-	-	-	11	9	-
Dist. of Columbia *.....	1	-	-	-	-	-	-	-	2	1	-
Virginia.....	1	34	-	-	-	1	-	2	9	13	4
West Virginia.....	1	-	-	-	1	1	-	-	3	10	-
North Carolina.....	-	-	-	-	-	-	-	1	13	8	15
South Carolina.....	-	-	-	-	-	-	-	-	4	1	-
Georgia.....	-	-	-	3	-	-	-	-	30	50	7
Florida.....	1	-	-	-	-	-	-	3	54	8	-
EAST SOUTH CENTRAL...	4	1	2	2	-	1	-	1	32	36	10
Kentucky.....	-	-	-	-	-	-	-	-	9	11	10
Tennessee.....	2	1	1	-	-	1	-	-	13	14	-
Alabama.....	-	-	-	-	-	-	-	1	5	2	-
Mississippi.....	2	-	1	2	-	-	-	-	5	9	-
WEST SOUTH CENTRAL...	10	2	-	2	5	3	-	6	86	47	1
Arkansas.....	1	-	-	-	-	-	-	-	4	7	-
Louisiana.....	4	1	-	2	2	1	-	5	19	10	-
Oklahoma *.....	2	-	-	-	3	2	-	-	12	1	1
Texas.....	3	1	-	-	-	-	-	1	51	29	-
MOUNTAIN.....	-	-	-	1	2	3	-	3	40	26	11
Montana *.....	-	-	-	-	-	-	-	-	-	5	-
Idaho.....	-	-	-	-	-	-	-	-	4	1	-
Wyoming.....	-	-	-	-	-	-	-	-	-	2	-
Colorado.....	-	-	-	-	2	3	-	3	33	1	11
New Mexico.....	-	-	-	1	-	-	-	-	2	6	-
Arizona.....	---	-	---	---	---	-	---	---	---	11	---
Utah.....	-	-	-	-	-	-	-	-	1	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	48	36	-	-	4	14	1	49	281	189	15
Washington.....	---	5	---	---	---	2	---	---	---	8	---
Oregon.....	-	-	-	-	-	-	-	-	18	9	-
California.....	47	30	-	-	4	12	1	48	257	168	7
Alaska.....	-	-	-	-	-	-	-	-	3	-	-
Hawaii.....	1	1	-	-	-	-	-	1	3	4	8
Puerto Rico.....	-	-	-	-	-	-	-	-	23	18	-

\*Delayed reports: Aseptic meningitis: Me. 1, N.J. 8, D.C. 6

Encephalitis, primary: Okla. 1

Hepatitis, infectious: Me. 5, Okla. 2, Mont. delete 1

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
NOVEMBER 2, 1968 AND NOVEMBER 4, 1967 (44th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS	POLIOMYELITIS			RUBELLA
		Cumulative			Cumulative			Total	Paralytic		
	1968	1968	1967	1968	1968	1967		1968	1968	Cum. 1968	
UNITED STATES...	137	20,524	59,632	29	2,220	1,868	1,439	-	-	53	294
NEW ENGLAND.....	8	1,188	886	1	130	74	184	-	-	1	27
Maine*.....	-	38	248	-	6	3	24	-	-	-	2
New Hampshire.....	---	141	77	---	7	2	---	---	---	-	---
Vermont.....	-	2	34	-	1	1	38	-	-	-	-
Massachusetts*.....	4	373	373	1	67	35	70	-	-	1	16
Rhode Island.....	-	6	62	-	9	4	18	-	-	-	-
Connecticut.....	4	628	92	-	40	29	34	-	-	-	9
MIDDLE ATLANTIC.....	33	4,248	2,367	3	398	308	102	-	-	1	33
New York City.....	26	2,252	481	-	80	54	31	-	-	-	6
New York, Up-State.....	5	1,254	607	1	72	77	NN	-	-	1	13
New Jersey.....	2	624	524	-	138	101	71	-	-	-	8
Pennsylvania.....	-	118	755	2	108	76	NN	-	-	-	6
EAST NORTH CENTRAL...	17	3,956	5,777	6	272	258	362	-	-	7	90
Ohio.*.....	2	310	1,166	3	76	90	36	-	-	2	8
Indiana.....	1	694	621	2	38	28	22	-	-	1	8
Illinois.....	2	1,386	1,051	-	60	59	29	-	-	2	3
Michigan.....	2	296	971	1	78	63	95	-	-	2	38
Wisconsin.....	10	1,270	1,968	-	20	18	180	-	-	-	33
WEST NORTH CENTRAL...	2	397	2,912	2	120	88	287	-	-	3	26
Minnesota.....	1	17	134	2	29	21	58	-	-	-	-
Iowa.*.....	-	104	763	-	8	18	174	-	-	1	24
Missouri.....	-	81	339	-	39	17	19	-	-	2	-
North Dakota.....	1	138	875	-	3	3	34	-	-	-	2
South Dakota.....	-	4	58	-	5	7	NN	-	-	-	-
Nebraska.....	-	43	649	-	9	13	2	-	-	-	-
Kansas.....	-	10	94	-	27	9	-	-	-	-	-
SOUTH ATLANTIC.....	11	1,551	7,089	7	442	363	59	-	-	3	17
Delaware.....	-	16	50	-	8	7	2	-	-	-	2
Maryland.....	-	103	169	2	38	50	7	-	-	-	1
Dist. of Columbia..	-	6	23	-	16	14	-	-	-	1	1
Virginia*.....	5	305	2,222	1	42	42	5	-	-	-	4
West Virginia.....	2	299	1,437	-	13	35	33	-	-	1	5
North Carolina.....	-	284	916	2	85	71	NN	-	-	1	-
South Carolina.....	-	12	511	-	58	30	4	-	-	-	2
Georgia.....	-	4	36	1	88	56	1	-	-	-	-
Florida.....	4	522	1,725	1	94	58	7	-	-	-	2
EAST SOUTH CENTRAL...	-	501	5,370	2	200	144	59	-	-	1	11
Kentucky.....	-	103	1,404	2	92	42	36	-	-	1	5
Tennessee.....	-	62	1,958	-	58	62	23	-	-	-	5
Alabama*.....	-	95	1,336	-	27	26	-	-	-	-	1
Mississippi.....	-	241	672	-	23	14	-	-	-	-	-
WEST SOUTH CENTRAL...	47	4,989	17,800	4	324	236	95	-	-	24	39
Arkansas.....	-	2	1,404	-	20	33	2	-	-	1	-
Louisiana.....	-	24	156	-	92	94	2	-	-	-	-
Oklahoma.....	-	125	3,358	1	51	18	1	-	-	2	5
Texas.....	47	4,838	12,882	3	161	91	90	-	-	21	34
MOUNTAIN.....	-	1,023	4,778	-	39	37	72	-	-	1	20
Montana.....	-	58	319	-	6	4	3	-	-	-	1
Idaho.....	-	21	393	-	11	3	4	-	-	-	2
Wyoming.....	-	54	185	-	3	1	-	-	-	-	-
Colorado.....	-	518	1,603	-	11	13	39	-	-	-	15
New Mexico.....	-	122	591	-	-	4	13	-	-	-	-
Arizona.....	---	224	1,035	---	4	5	---	---	---	1	---
Utah.....	-	21	383	-	1	4	13	-	-	-	2
Nevada.....	-	5	269	-	3	3	-	-	-	-	-
PACIFIC.....	19	2,671	12,653	4	295	360	219	-	-	12	31
Washington.....	---	557	5,565	---	45	35	---	---	---	1	---
Oregon.....	5	547	1,670	1	23	27	16	-	-	-	9
California.....	14	1,522	5,098	3	211	283	189	-	-	11	19
Alaska.....	-	10	140	-	3	11	11	-	-	-	1
Hawaii.....	-	35	180	-	13	4	3	-	-	-	2
Puerto Rico.....	5	446	2,217	-	20	14	19	-	-	-	-

\*Delayed reports: Measles: Mass. delete 1, Ohio delete 1, Iowa 1, Va. delete 1

Meningococcal infections: Ala. 1

Mumps: Me. 8

Poliomyelitis, paralytic: Ala. delete 1

Rubella: Me. 7

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED

NOVEMBER 2, 1968 AND NOVEMBER 4, 1967 (44th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
		1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968
UNITED STATES...	7,743	1	146	1	158	12	337	3	268	51	2,920
NEW ENGLAND.....	909	-	4	-	47	1	12	-	1	-	72
Maine*.....	15	-	-	-	-	-	2	-	-	-	53
New Hampshire.....	---	---	1	---	-	---	1	---	-	---	2
Vermont.....	24	-	-	-	47	-	-	-	-	-	11
Massachusetts.....	127	-	1	-	-	1	6	-	1	-	5
Rhode Island.....	116	-	-	-	-	-	-	-	-	-	-
Connecticut.....	627	-	2	-	-	-	3	-	-	-	1
MIDDLE ATLANTIC.....	41	-	18	-	7	1	32	1	22	1	49
New York City.....	7	-	11	-	-	-	15	-	-	-	-
New York, Up-State.....	26	-	4	-	7	1	8	-	5	1	40
New Jersey.....	NN	-	-	-	-	-	4	-	7	-	-
Pennsylvania.....	8	-	3	-	-	-	5	1	10	-	9
EAST NORTH CENTRAL...	627	-	14	-	11	4	47	-	9	5	268
Ohio.....	108	-	2	-	1	-	19	-	7	2	90
Indiana.....	61	-	2	-	1	4	7	-	-	-	86
Illinois.....	138	-	6	-	8	-	19	-	2	-	37
Michigan.....	180	-	3	-	1	-	-	-	-	-	14
Wisconsin.....	140	-	1	-	-	-	2	-	-	3	41
WEST NORTH CENTRAL...	245	-	14	-	15	1	35	-	9	10	724
Minnesota.....	18	-	2	-	-	-	1	-	-	1	227
Iowa.....	122	-	4	-	-	-	2	-	1	4	116
Missouri.....	10	-	5	-	7	-	25	-	3	1	103
North Dakota.....	48	-	-	-	-	-	-	-	-	1	112
South Dakota.....	23	-	-	-	3	1	2	-	4	-	97
Nebraska.....	2	-	3	-	-	-	3	-	1	-	25
Kansas.....	22	-	-	-	5	-	2	-	-	3	44
SOUTH ATLANTIC.....	702	-	32	1	12	1	56	1	141	7	345
Delaware.....	14	-	-	-	-	-	-	-	-	-	1
Maryland.....	78	-	3	-	-	-	9	-	18	-	5
Dist. of Columbia..	2	-	2	-	-	-	1	-	-	-	1
Virginia.....	224	-	4	-	3	-	10	1	44	-	120
West Virginia.....	141	-	2	-	-	-	-	-	2	2	47
North Carolina.....	13	-	2	1	3	-	2	-	39	-	12
South Carolina.....	52	-	4	-	-	1	2	-	9	-	-
Georgia.....	9	-	3	-	4	-	14	-	26	4	66
Florida.....	169	-	12	-	2	-	18	-	3	1	93
EAST SOUTH CENTRAL...	1,367	-	15	-	8	1	39	1	52	14	625
Kentucky.....	105	-	1	-	1	-	9	-	10	9	321
Tennessee.....	1,004	-	6	-	5	-	16	1	36	5	273
Alabama.....	146	-	5	-	-	-	2	-	4	-	24
Mississippi.....	112	-	3	-	2	1	12	-	2	-	7
WEST SOUTH CENTRAL...	793	1	28	-	46	2	48	-	28	5	450
Arkansas.....	12	-	4	-	15	2	17	-	6	1	58
Louisiana.....	4	-	10	-	7	-	6	-	1	1	42
Oklahoma*.....	43	-	-	-	8	-	14	-	13	-	118
Texas.....	734	1	14	-	16	-	11	-	8	3	232
MOUNTAIN.....	2,243	-	1	-	8	-	16	-	5	2	82
Montana.....	21	-	-	-	-	-	-	-	-	-	-
Idaho.....	169	-	-	-	-	-	-	-	1	-	-
Wyoming*.....	289	-	-	-	1	-	1	-	-	-	3
Colorado.....	1,538	-	-	-	3	-	2	-	4	-	4
New Mexico.....	168	-	-	-	-	-	8	-	-	2	35
Arizona.....	---	---	1	---	-	---	4	---	-	---	36
Utah.....	58	-	-	-	4	-	-	-	-	-	1
Nevada.....	-	-	-	-	-	-	1	-	-	-	3
PACIFIC.....	816	-	20	-	4	1	52	-	1	7	305
Washington.....	---	---	1	---	-	---	2	---	-	---	2
Oregon.....	100	-	1	-	1	-	5	-	-	-	6
California.....	542	-	18	-	3	1	45	-	1	7	297
Alaska.....	90	-	-	-	-	-	-	-	-	-	-
Hawaii.....	84	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	6	-	12	-	-	-	4	-	-	-	18

\*Delayed reports: SST: Me. 40, Okla. 1, Wyo. 437

## Morbidity and Mortality Weekly Report

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Week No. TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED NOVEMBER 2, 1968

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(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
NEW ENGLAND:	699	436	44	38	SDUTH ATLANTIC:	1,228	631	39	54
Boston, Mass.-----	219	129	15	12	Atlanta, Ga.-----	160	65	2	3
Bridgeport, Conn.-----	30	13	6	2	Baltimore, Md.-----	231	114	9	7
Cambridge, Mass.-----	22	13	-	2	Charlotte, N. C.-----	41	19	1	5
Fall River, Mass.-----	26	19	-	1	Jacksonville, Fla.-----	93	52	2	7
Hartford, Conn.-----	62	34	3	4	Miami, Fla.-----	71	38	-	5
Lowell, Mass.-----	34	20	4	2	Norfolk, Va.-----	55	37	3	2
Lynn, Mass.-----	25	19	-	-	Richmond, Va.-----	84	45	2	4
New Bedford, Mass.-----	27	19	1	-	Savannah, Ga.-----	38	18	2	1
New Haven, Conn.-----	66	39	2	8	St. Petersburg, Fla.-----	106	85	5	3
Providence, R. I.-----	53	33	3	1	Tampa, Fla.-----	57	34	2	2
Somerville, Mass.-----	5	4	-	-	Washington, D. C.-----	233	98	7	7
Springfield, Mass.-----	45	31	4	4	Wilmington, Del.-----	59	26	4	8
Waterbury, Conn.-----	33	25	-	-					
Worcester, Mass.-----	52	38	6	2	EAST SOUTH CENTRAL:	603	329	44	20
MIDDLE ATLANTIC:	3,109	1,782	115	146	Birmingham, Ala.-----	121	62	4	8
Albany, N. Y.-----	39	18	1	3	Chattanooga, Tenn.-----	52	30	4	1
Allentown, Pa.-----	52	34	3	2	Knoxville, Tenn.-----	39	27	3	-
Buffalo, N. Y.-----	136	76	2	9	Louisville, Ky.-----	89	51	17	2
Camden, N. J.-----	32	16	2	4	Memphis, Tenn.-----	134	65	4	5
Elizabeth, N. J.-----	42	28	2	1	Mobile, Ala.-----	52	27	2	-
Erie, Pa.-----	42	29	7	1	Montgomery, Ala.-----	24	13	2	1
Jersey City, N. J.-----	49	29	2	1	Nashville, Tenn.-----	92	54	8	3
Newark, N. J.-----	74	34	4	4	WEST SOUTH CENTRAL:	1,089	551	32	77
New York City, N. Y.-----	1,600	927	57	63	Austin, Tex.-----	20	14	-	-
Paterson, N. J.-----	45	30	1	-	Baton Rouge, La.-----	23	9	-	2
Philadelphia, Pa.-----	404	205	6	30	Corpus Christi, Tex.-----	23	14	1	3
Pittsburgh, Pa.-----	193	116	7	5	Dallas, Tex.-----	176	79	3	13
Reading, Pa.-----	45	27	2	1	El Paso, Tex.-----	42	20	3	3
Rochester, N. Y.-----	119	71	7	8	Fort Worth, Tex.-----	86	49	5	9
Schenectady, N. Y.-----	31	18	2	1	Houston, Tex.-----	194	90	3	6
Scranton, Pa.-----	31	23	1	-	Little Rock, Ark.-----	64	39	4	2
Syracuse, N. Y.-----	71	44	2	2	New Orleans, La.-----	144	73	3	15
Trenton, N. J.-----	50	22	2	10	Oklahoma City, Okla.-----	80	33	-	7
Utica, N. Y.-----	24	16	2	1	San Antonio, Tex.-----	122	72	4	7
Yonkers, N. Y.-----	31	19	3	-	Shreveport, La.-----	67	36	5	7
EAST NORTH CENTRAL:	2,672	1,519	89	124	Tulsa, Okla.-----	48	23	1	3
Akron, Ohio-----	73	45	-	1	MOUNTAIN:	436	238	15	27
Canton, Ohio-----	31	19	1	1	Albuquerque, N. Mex.-----	37	19	1	-
Chicago, Ill.-----	763	398	22	43	Colorado Springs, Colo.-----	25	8	-	2
Cincinnati, Ohio-----	180	114	5	4	Denver, Colo.-----	133	72	4	6
Cleveland, Ohio-----	185	104	5	9	Ogden, Utah-----	18	12	2	1
Columbus, Ohio-----	131	74	4	8	Phoenix, Ariz.-----	100	56	1	7
Dayton, Ohio-----	79	40	4	5	Pueblo, Colo.-----	22	16	2	1
Detroit, Mich.-----	385	215	15	27	Salt Lake City, Utah-----	55	30	1	7
Evansville, Ind.-----	43	28	2	-	Tucson, Ariz.-----	46	25	4	3
Flint, Mich.-----	52	30	1	3	PACIFIC:	1,582	978	36	61
Fort Wayne, Ind.-----	44	25	3	-	Berkeley, Calif.-----	19	14	1	-
Cary, Ind.-----	28	17	5	1	Fresno, Calif.-----	42	22	1	1
Grand Rapids, Mich.-----	57	39	2	1	Glendale, Calif.-----	24	18	1	1
Indianapolis, Ind.-----	158	82	2	3	Honolulu, Hawaii-----	58	31	1	4
Madison, Wis.-----	38	17	6	2	Long Beach, Calif.-----	90	47	1	3
Milwaukee, Wis.-----	131	90	-	3	Los Angeles, Calif.-----	451	268	14	20
Peoria, Ill.-----	35	16	-	3	Oakland, Calif.-----	75	45	2	4
Rockford, Ill.-----	35	23	4	2	Pasadena, Calif.-----	45	32	1	-
South Bend, Ind.-----	47	27	2	3	Portland, Oreg.-----	141	100	1	9
Toledo, Ohio-----	104	69	5	3	Sacramento, Calif.-----	67	40	1	4
Youngstown, Ohio-----	73	47	1	2	San Diego, Calif.-----	95	56	2	4
WEST NORTH CENTRAL:	805	488	30	48	San Francisco, Calif.-----	191	120	4	3
Des Moines, Iowa-----	45	28	2	1	San Jose, Calif.-----	41	30	-	1
Duluth, Minn.-----	29	22	3	-	Seattle, Wash.-----	142	80	4	6
Kansas City, Kans.-----	26	11	2	4	Spokane, Wash.-----	54	45	1	1
Kansas City, Mo.-----	142	87	6	6	Tacoma, Wash.-----	47	30	1	-
Lincoln, Nebr.-----	24	18	-	1	Total	12,223	6,952	444	595
Minneapolis, Minn.-----	125	75	3	7	Cumulative Totals including reported corrections for previous weeks				
Omaha, Nebr.-----	75	41	2	8	All Causes, All Ages -----	557,981			
St. Louis, Mo.-----	216	124	8	15	All Causes, Age 65 and over-----	320,714			
St. Paul, Minn.-----	85	55	-	5	Pneumonia and Influenza, All Ages-----	22,129			
Wichita, Kans.-----	38	27	4	1	All Causes, Under 1 Year of Age-----	26,435			

# EPIDEMIOLOGIC NOTES AND REPORTS AFRICAN SLEEPING SICKNESS – Melbourne, Florida

A 57-year-old dentist returned to Florida on October 29, 1968, from safari in Rhodesia and Botswana (formerly Bechuanaland) with an acute illness characterized by chills, fever, lethargy, malaise, axillary lymphadenopathy, and a skin lesion on the right forearm. While on safari, he has been bitten by numerous tsetse flies and had developed symptoms shortly before returning to Florida, where he was hospitalized on November 1. Blood smears revealed numerous trypanosomes. No malaria parasites were seen. A lumbar puncture revealed one lymphocyte and a protein of 22 mg percent. Suramin,\* the drug of choice<sup>1</sup> for early hemolyphatic Rhodesian sleeping sickness, was begun on November 3; this drug therapy will be continued for 3 weeks, the recommended period of administration. (Reported by E. Charlton Prather, M.D., M.P.H., Director, Division of Epidemiology, Florida State Board of Health; Richard Camberg, M.D., Daniel Donovan, M.D., N. Frank Fain, M.D., George Straud, M.D., Melbourne, Florida; and an EIS Officer.)

\*Available from the Parasitic Disease Drug Service, NCDC, Atlanta.

## Reference:

<sup>1</sup>World Health Organization: Expert Committee on Trypanosomiasis. WHO Technical Report No. 247, Geneva, 1962.

## INTERNATIONAL NOTES QUARANTINE MEASURES

*Additional Immunization Information for International Travel – 1967-68 edition – Public Health Service  
Publication No. 384*

The following new Yellow Fever Vaccination Center should be included in Section 6:

**City and State:** Bakersfield, California

**Center:** Kern County Health Department  
1700 Flower Street, 93302  
Telephone 325-5051

**Clinic Hours:** Wednesday, 8:30-11:00 a.m.

**Fee:** No

**City and State:** Eloise, Michigan

**Center:** Wayne County Department of Health  
Wayne County Health Center, 48132  
Telephone 274-2800, Ext. 313

**Clinic Hours:** Wednesday, 9:00-11:00 a.m.

**Fee:** No

**City and State:** St. Paul, Minnesota

**Center:** Airport Medical Center  
311 Terminal Building,  
St. Paul-Minneapolis International  
Airport, 55111  
Telephone 721-6551

**Clinic Hours:** Monday, 2:00-5:00 p.m.

**Fee:** No

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 17,000, IS PUBLISHED AT THE NATIONAL COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

DIRECTOR, NATIONAL COMMUNICABLE DISEASE CENTER  
CHIEF, EPIDEMIOLOGY PROGRAM  
CHIEF, STATISTICS SECTION  
EDITOR

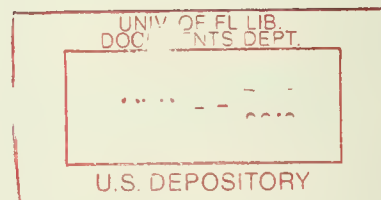
DAVID J. SENCER, M.D.  
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MICHAEL B. GREGG, M.D.

IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE NATIONAL COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

NATIONAL COMMUNICABLE DISEASE CENTER  
ATLANTA, GEORGIA 30333  
ATTN: THE EDITOR  
MORBIDITY AND MORTALITY WEEKLY REPORT

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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